

FIG 1

TRADOCS:1390926.1(TT8%01!.DOC)

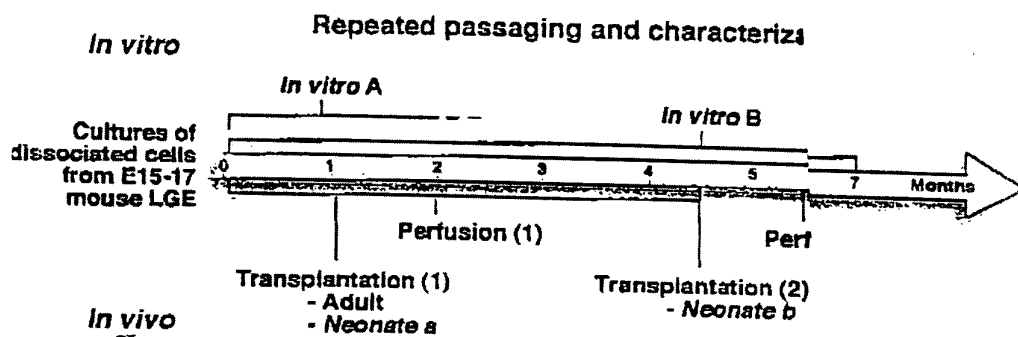


FIG 2

Figure 1 consists of seven panels labeled a through g. Panels a, b, c, d, and e are electron micrographs showing different stages and components of a developing hippocampal neuron. Panel a shows a low-magnification view of a neuron with its cell body and processes. Panel b is a high-magnification view of a cluster of small, dark, electron-dense structures, likely synaptic vesicles. Panel c shows a neuron with several dark, electron-dense structures, possibly synaptic terminals or vesicles. Panel d shows a neuron with a large, clear, electron-lucent area, possibly a large vesicle or a region of active transport. Panel e shows a neuron with several dark, electron-dense structures, possibly synaptic terminals or vesicles. Panel f is a high-magnification view of a neuron with several dark, electron-dense structures, possibly synaptic terminals or vesicles. Panel g shows electrophysiological recordings from the neuron, displaying action potentials and synaptic currents.

FIG 3.

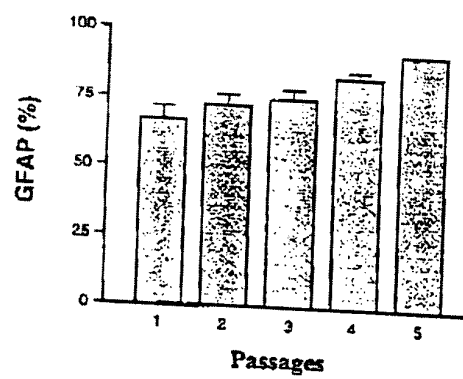


FIG 4

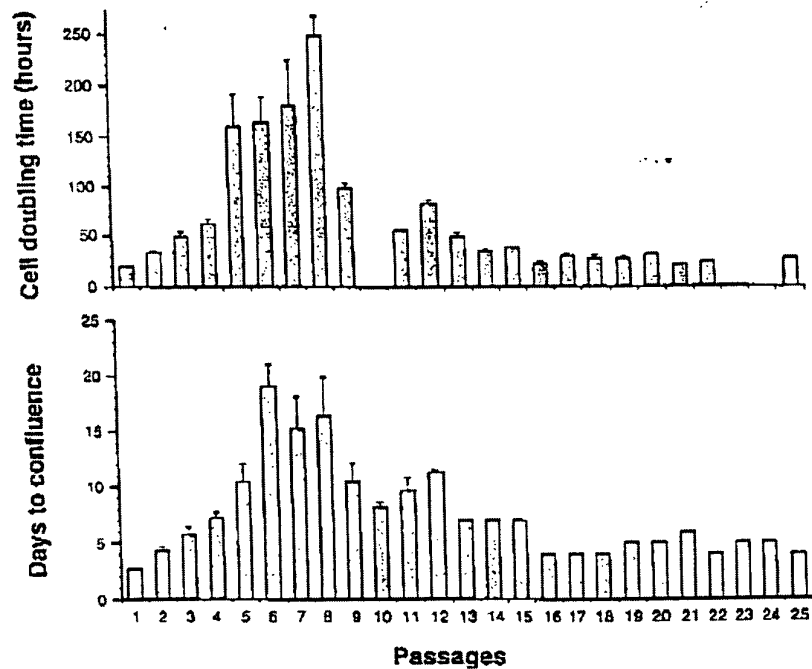


FIG 5